



WEEKLY SUMMARY REPORT

PROJECT NO.:	2476.0001Y002	WEEKLY REPORTING PERIOD: Monday June 20, 2016 through Sunday June 26, 2016
PROJECT:	CFAC Phase I Site Characterization	
LOCATION:	Near Columbia Falls, Montana	

SUMMARY OF WORK COMPLETED

- Drilling of soil borings
 - No soil borings were advanced.
- Drilling of monitoring wells
 - Cascade Drilling completed water table monitoring well location CFMW-016. Boring was drilled to 95' below land surface. Well installed to 95' below land surface with ten (10) feet of screen from 85-95'.
 - Cascade Drilling completed water table monitoring well location CFMW-037. Boring was drilled to 100' below land surface. Well installed to 100' below land surface with ten (10) feet of screen from 90-100'.
 - Cascade Drilling began water table monitoring well location CFMW-038. Boring was drilled to 25' below land surface and will continue next week.
 - Cascade Drilling completed water table monitoring well location CFMW-050. Boring was drilled to 120' below land surface. Well installed to 120' below land surface with ten (10) feet of screen from 110-120'.
 - Cascade Drilling completed water table monitoring well location CFMW-054. Boring was drilled to 120' below land surface. Well installed to 120' below land surface with ten (10) feet of screen from 110-120'.
 - Cascade Drilling completed deep monitoring well location CFMW-011a. Boring was advanced to 126' below land surface and will continue next week.
 - Cascade Drilling completed deep monitoring well location CFMW-016a. Boring was drilled to 300' below land surface. Well installed to 125' below land surface with five (5) feet of screen from 121-126' as per Record of Modification.
 - Cascade Drilling advanced deep monitoring well location CFMW-023a. Boring was advanced to 181' below land surface and was grouted to land surface as per Record of Modification
- Drilling within Operational Grid Area
 - Completed drilling and collection of incremental soil samples within twelve (12) operational grids.
 - Grids completed include DU-09, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20, and 21.
- Soil sampling
 - Roux Associates collected approximately 57 soil samples from monitoring well and grid drilling locations. Samples sent to TestAmerica, (Edison, NJ and Canton, OH) for laboratory analysis.

SUMMARY OF WORK PLANNED FOR NEXT WEEK / ANTICIPATED SCHEDULE CHANGES

- Planned
 - Continue drilling and soil sample collection within Operational Grid using Geoprobe.
 - Continue drilling and well installations with Sonic.
 - Continue collection of soil samples during drilling.
- Modifications
 - No modifications to schedule

Prepared By Laura Jensen and Drew Baris Of Roux Associates, Inc.



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HEALTH AND SAFETY NOTES

- Roux Associates discussed a peer observation where slip/trip/fall hazards are present in areas of high grass.
- Cascade Drilling and Roux discussed a lessons learned about securing loads during drilling and monitoring well installation activities.

OTHER NOTES

- Record of Modification #1 was submitted in an e-mail to EPA on 6/23/16. The modification referred to SAP Section 4.6.2: Operational Area Soil Investigation. The incremental soil samples collected from the 0.5 to 2 ft depth intervals will not be analyzed for volatile organic compounds (VOCs).
- Record of Modification #2 was submitted in an e-mail to EPA on 6/23/16. The modification referred to SAP Section 4.7: Monitoring Well Installation. Deep Monitoring Well CFMW-23a will not be installed. The boring for this location was drilled to a depth of 181 ft below land surface. The well was not installed and the borehole was grouted to land surface.
- Record of Modification #3 was submitted in an e-mail to EPA on 6/24/16. The modification referred to SAP Section 4.7: Monitoring Well Installation. Deep Monitoring Well CFMW-016a was constructed with a five foot screen length, in lieu of a 10 foot screen length, installed from 121-126 feet below ground surface (ft bgs).
- As documented in an e-mail to EPA on 6/23/16, EPA and CDM Smith were concerned that the field sampling and processing of the ISM samples was not in conformance with the ITRC ISM guidance as referenced in the work plan. As a result the field processing of the samples was discontinued. Instead, the samples (approximately 1 kilogram bulk samples, comprised of 32 aliquots from each DU) will be shipped to Test America Laboratories where the samples will be pre-processed and prepared in accordance with their Standard Operating Procedure for ISM samples. 15 of the 43 DUs had been completed using the field processing approach that will be discontinued. Per the email dated 6/23/16, three of the 15 completed DUs will be resampled (i.e., 20 percent resampling) using the wedge sampling and laboratory processing approach.

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